

03/02/05 3382-66135-01 295285

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In re application of:** Chilimbi et al.

**Application No.** 10/693,834

**Filed:** October 24, 2003

**Confirmation No.** 1003

**For:** ADAPTIVE INSTRUMENTATION  
RUNTIME MONITORING AND  
ANALYSIS

**Examiner:** To be assigned

**Art Unit:** 2122

**Attorney Reference No.** 3382-66135-01

**CERTIFICATE OF MAILING**

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney  
for Applicant(s)

Date Mailed March 2, 2005

**INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 C.F.R. § 1.97(b)(3)**

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Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

If the present application was filed after June 30, 2003, copies of United States patents and United States published patent applications do not have to be provided to the Patent Office. This requirement of 37 C.F.R. § 1.98(a)(2)(i) has been waived by the United States Patent and Trademark Office pursuant to the Official Gazette Notice on August 5, 2003 (1276 OG 55). Applicants will provide copies of such patents upon request.

Applicants filed this Information Disclosure Statement ("IDS") before the mailing date of a first Office action on the merits. As a result, no fee should be required to file this IDS.

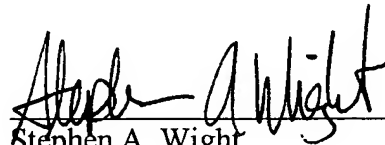
However, if the Patent Office determines that a fee is required for Applicants to file this IDS, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A **duplicate** copy of this Information Disclosure Statement is enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

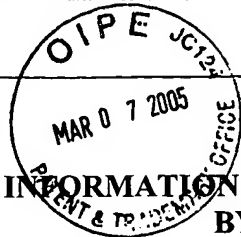
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cc: Docketing



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Attorney Docket Number	3382-66135-01
	Application Number	10/693,834
	Filing Date	October 24, 2003
	First Named Inventor	Chilimbi
	Art Unit	2122
	Examiner Name	To be assigned

### U.S. PATENT DOCUMENTS

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Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		2004-0103401 A1	May 27, 2004	Chilimbi et al.
		5,940,618	Aug. 17, 1999	Urquhart <i>et al.</i>
		2002144245	Oct. 3, 2002	Guei-Yuan
		2004025145	Feb. 5, 2004	Peters

### FOREIGN PATENT DOCUMENTS

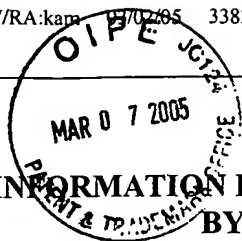
Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee

### OTHER DOCUMENTS

Examiner's Initials*	Cite No. (optional)	
		Chilimbi and Hirzel, "Bursty tracing: a framework for low-overhead temporal profiling," in <i>Workshop on Feedback-Directed and Dynamic Optimizations (FDDO)</i> (2001).
		Savage <i>et al.</i> , "Eraser: a dynamic data race detector for multithreaded programs." In <i>ACM Transactions on Computer Systems (TOCS)</i> (1997).
		Srivastava <i>et al.</i> , "Vulcan: binary transformation in a distributed environment," In <i>Microsoft Research Tech Report, MSR-TR-2001-50</i> (2001), available at <a href="http://research.microsoft.com/research/pubs/view.aspx?msr_tr_id=MSR-TR-2001-50">http://research.microsoft.com/research/pubs/view.aspx?msr_tr_id=MSR-TR-2001-50</a>
		Arnold and Ryder, "A framework for reducing the cost of instrumented code," <i>Programming Languages Design and Implementation (PLDI)</i> (2001).
		Hastings and Joyce "Purify: fast detection of memory leaks and access errors," <i>Proceedings of the Winter 1992 USENIX Conference</i> , pp. 125-138 (1992).

EXAMINER SIGNATURE:	DATE CONSIDERED:
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\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Attorney Docket Number	3382-66135-01
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		Filing Date	October 24, 2003
		First Named Inventor	Chilimbi
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		Examiner Name	To be assigned
		Hollingsworth <i>et al.</i> , "MDL: a language and compiler for dynamic program instrumentation," <i>Proc. of the International Conference on Parallel Architectures and Compilations Techniques</i> (November 1997).	
		Cowan <i>et al.</i> , "Buffer overflows: attacks and defenses for the vulnerability of the decade," <i>DARPA information survivability conference and expo (DISCEX)</i> (2000).	
		Traub <i>et al.</i> , "Ephemeral instrumentation for lightweight program profiling," <i>Technical report</i> , Harvard University (1999).	
		Bala <i>et al.</i> , "Dynamo: a transparent dynamic optimization system," In <i>SIGPLAN 2000 Conference on Programming Language Design and Implementation</i> (June 2000).	
		Duesterwald and Bala, "Software profiling for hot path prediction: Less is more," In <i>Ninth International Conference on Architectural Support for Programming Languages and Operating Systems</i> (November 2000).	
		Hölzle and Ungar, "Reconciling responsiveness with performance in pure object-oriented languages," <i>ACM Transactions on Programming Languages and Systems</i> 18(4):355-400 (July 1996).	

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SIGNATURE:DATE  
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